

Message Text

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FM SECSTATE WASHDC

TO AMEMBASSY MOSCOW

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E.O. 11652:

TAGS: US, UR, TECH, TGEN, ENRG

SUBJECT: US-USSR ATOMIC ENERGY AGREEMENT, CTR EXCHANGE
PROGRAM FOR 1976 07.03

1. REQUEST EMBASSY PASS FOLLOWING MESSAGE DATED APRIL 21,
1976 TO DR. E. P. VELIKHOV, I. V. KURCHATOV INSTITUTE OF
ATOMIC ENERGY, 46 ULITSA KURCHATOVA - P. O. BOX 3402,
MOSCOW, D-182, USSR.

2. DEAR DR. VELIKHOV: THE EXCHANGE PROGRAM BETWEEN THE
USSR STATE COMMITTEE ON ATOMIC ENERGY AND THE US ENERGY
RESEARCH AND DEVELOPMENT ADMINISTRATION INCLUDES IN THE
1976 EXCHANGE PLAN A VISIT BY ONE US SCIENTIST IN THE
FUSION REACTOR BLANKET AND SHIELD DESIGN AREA. THIS WAS
INCLUDED BY THE DIVISION OF CONTROLLED THERMONUCLEAR
RESEARCH AT MY REQUEST FOR A PERIOD OF SIXTEEN WEEKS, TO BE
SPLIT 12 WEEKS AT EFREMOV AND 4 WEEKS AT KURCHATOV.

3. THE REASON FOR MY INTEREST IN THE EXCHANGE IS MY
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EXPERIENCE DURING THE PAST FIVE YEARS IN THIS GENERAL AREA

AND AS A PRINCIPAL INVESTIGATOR FOR THE FUSION DESIGN PROJECT AT THE UNIVERSITY OF WISCONSIN AND THE EMINENCE OF THE KURCHATOV AND EFREMOV INSTITUTES IN FUSION RESEARCH.

4. I AM NOT FAMILIAR IN DETAIL WITH THE WORK AT THE KURCHATOV AND EFREMOV INSTITUTES IN THIS PARTICULAR AREA AND THUS FIND IT DIFFICULT TO PROPOSE A PRECISE PROJECT FOR MY VISIT. DISCUSSIONS WITH DR. G. L. KULCINSKI OF OUR STAFF CONCERNING THIS LEAD ME TO BELIEVE THAT DR. KOLBASOV MIGHT BE THE MOST APPROPRIATE INDIVIDUAL ON YOUR STAFF FOR ME TO WORK WITH DURING THE VISIT. MY OWN RECENT INTERESTS HAVE RANGED FROM NUCLEAR DATA REQUIREMENTS FOR FUSION AND NUCLEAR ANALYSIS OF FUSION REACTORS TO THE EFFECT OF SCALING LAWS AND CONSTRAINTS ON THE ECONOMICS OF FUSION DEVICES.

5. IN AN EARLIER LETTER TO DR. GOLOVIN, DATED FEBRUARY 26, 1976, I PROVIDED SOME ADDITIONAL DETAILS ABOUT MYSELF AND POSSIBLE WORK OF MUTUAL INTEREST DURING THE VISIT, INCLUDING THE FACT THAT I HAVE BEEN A PROFESSOR OF NUCLEAR ENGINEERING SINCE 1961 AT THE UNIVERSITY OF WISCONSIN, THAT I HAVE PROGRAM RESPONSIBILITY FOR BLANKET AND SHIELD DESIGN WORK BASED ON TOKAMAK GEOMETRY INCLUDING UMAK-1, 2, 3. I AM VERY MUCH INTERESTED IN THE T-20 DEVICE AND IN THE ACQUISITION AND ASSESSMENT OF NUCLEAR DATA FOR FUSION WORK.

6. I WOULD GREATLY APPRECIATE AN EARLY RESPONSE REGARDING THIS PROPOSED VISIT IN ORDER THAT I MAY COMPLETE MY PREPARATIONS FOR THE EXCHANGE.

7. SINCERELY YOURS, CHARLES W. MAYNARD, PROFESSOR,
UNIVERSITY OF WISCONSIN, NUCLEAR ENGINEERING DEPARTMENT.
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